Constant
TECHNOLOGIES, INC.

Proposal #
Est. 13980

**Virgin Island PD - St. Croix RTCC & EOC - AV Quote
SK14 - 3 year SLA**

U.S. Virgin Islands Police Department

St. Croix VI

Prepared for:

Prepared by:
Gip Sisson

Issued Date:
11/02/2023

Scope of Work
Video Displays and Outputs
RTCC
RTCC Video Wall shall be a 6x2 of Planar LX55M-L Clarity Matrix video wall displays with 0.8mm combined bezel width.
Includes remote power supply, video controller, mounts and trim kit. Includes (1) spare display and video controller.
Includes (2) 75" Commercial Displays for Auxiliary displays

EOC
EOC Video Walls shall be (2) 4x2 arrays of Planar LX55M-L Clarity Matrix video wall displays with 0.8mm combined bezel width.
Includes remote power supply, video controller, mounts and trim kit. Includes (1) spare display and video controller.

Conference Room
Includes (2) 75" Commercial Displays

Site Sharing
Includes (1) dedicated video output from the processor to be encoded and streamed over the client network for site sharing to St. Thomas system. Site sharing feed is configurable to send multiple content sources simultaneously to a single remote display.
Video Sources
Video Wall Processing shall be a Haivision MCS Alpha Processor with support for the following input sources :

Shared Sources
(4) Cable TV Tuner (owner furnished)
(12) Video feeds from owner rack content PCs. Assumes (3) quad output PCs.
(1) Video feed from St Thomas AV system via decoder streamed over the client network

RTCC Sources
(1) video feed from Owner Furnished thin client PC for video conferencing.
(6) Workstation feeds via dual input encoders in the RTCC. Assumes capture of right monitor at each workstation
(2) Loose HDMI connections at workstation (1 per row) for OFE Laptop plug in via encoders in the RTCC. Final location TBD.
(1) Encoded feed from Surface Hub for presentation and collaboration

EOC Sources
(1) video feed from Owner Furnished thin client PC for video conferencing.
(8) Video feeds for PCs or Laptops at the Command Desk via (2) quad input encoders
(5) Loose HDMI connections for OFE Laptop plug in via extenders at the U Shaped Table
(1) Encoded feed from Surface Hub for presentation and collaboration

Conference Room Sources
(1) video feed from Owner Furnished thin client PCs for video conferencing.
(3) Loose HDMI connections for OFE Laptop plug in via extenders at the Conference Table
Failover
Failover shall be OFE content PC feeds to 2x2 video wall arrays for the RTCC and EOC Video Walls
Includes codec PC failover for (1) 75" display in the Conference Room
User Interface
(5) Microsoft Surface Pro tablet for user touch interface and control - EOC (2), RTCC (2), Conference Room (1)
(2) Microsoft Surface Hub on Mobile Articulating stand for control and collaboration - EOC (1) and RTCC (1)
Video Conferencing
Assumes OFE content PC running Teams, Zoom, etc for RTCC, EOC and Conference Room
Includes (1) USB PTZ camera for video conferencing for RTCC, EOC and Conference Room
Audio
(3) Beamforming Ceiling microphones - RTCC (1), EOC (1) and Conference Room (1)
-Audio Signal Processors for control and routing of all audio signals from content sources and microphones

-Audio amplification and speakers for (3) discrete audio zone using ceiling speakers - RTCC (1), EOC (1) and Conference Room (1)
-Does not support audio from encoded PC or laptop sources.
Rack and Cabling
-Includes (3) 44RU racks for equipment.
-Includes optional Automatic Transfer Switch for redundant rack power switching. Rack UPS power units available upon request
-Includes all necessary cables, accessories and hardware necessary
-Quote assumes AV racks are located within a 200 foot cable run from all video walls
3 years Constant Uptime Premier level 24/7 service and support agreement and Haivision GuardianCare Coverage

Freight includes the following:
(1) Pre-Install shipment of cables
(1) Shipment of AV Equipment for Install
(1) Shipment of furniture and consoles for install

Does not include local duty, taxes or VAT
TYPICAL CUSTOMER RESPONSIBILITIES:
• All High Voltage 120/240v electrical circuits needed for the equipment in the AV rack and for wall mounted displays .
• Cable paths from AV rack to the room and ceiling and any conduit required .
• All IT equipment for computer sources including desktop displays.
• Network drops required for all AV/IT equipment
• Network design and installation for client IT and telephone systems
• Pull all cables (provided and spec'd by CTI) that leave the furniture or rack (infrastructure cabling) including but limited to speaker wire, CAT6, fiber, microphone and control cables.

Equipment [$1,210,102.23]

Item ID	Description	Qty	Sell	Total

Video Displays and Extenders

Video Wall Displays

Pla Quote 00120655–1	US Virgin Islands St. Croix Police RTCC - 6x2 LX55M-L	1	$123,938.00	$123,938.00

Item ID	Description	Qty	Total
Pla-998-1495	Clarity Matrix G3 LX55M 55 in. 1920x1080, 500-nit LCD video wall system. Includes 1 LCD module, necessary power supply modules, standard video controller electronics and EasyAxis mount. Landscape Only.	12	$99,096.00
Pla-998-1713-01 (FRU)	FRU, LX55M-L LCD Module	1	$6,820.00
10/17/22: Used in Clarity Matrix G3			
Pla-750-2174	4HDMI QSFP HDBaseT	3	$0.00
Pla-935-0476	Fee for Additional 4-Output VCs	1	$2,282.00
Pla-750-2190 (Assy)	Assy Mfg, RPS, Trple, 120/240V	1	$0.00
Remote Power Supply (RPS), input voltage range 100-240V, equipped with (3) Remote Power Supply Module (RPSM)			
Pla-902-0748	Replacement Remote Power Supply Module (RPSM). One RPSM.; (1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.	1	$1,050.00
(1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.			
Pla-175-0993	Loop Power Cable- 8ft	9	$540.00
8-foot (2.5-meter) Interconnect Power Cable - to provide a 48V power connection between 1 display and the next display in a daisy-chained group.			
Pla-955-0677	Connector Kit,DC,2wire Pwr,Pri	1	$84.00
Kit for field termination of power cables. Includes 10 two-pin connectors; enough to produce 5 primary power cables for Leyard DirectLight (DL2 models).			
Pla-955-0854	Kit, HSL Accy Cable Kit	1	$0.00
Pla-437-2432	Vertical spacer bracket LX/MX55M-L	12	$0.00
Pla-530-0952	Screw, MX5,8X8,BHCS,BLK, 25/bag	12	$0.00
Pla-572-5261	SHT MTL, CVR, SIDE, 55M-L	2	$126.00
Pla-572-5261	SHT MTL, CVR, SIDE, 55M-L	2	$126.00
Pla-572-5260	SHT MTL, CVR, TOP, 55M-L	6	$504.00
Pla-572-5196	Horizontal spacer bracket LX/MX55M-L	20	$0.00
Pla-572-5259	SHT MTL, CVR, BTM, 55M-L	6	$504.00
Pla-955-0790 (Assy)	Kit,Matrix G3 Accy Kit - US Not Set	1	$0.00

Item ID	Description	Qty	Total	
Pla-955-0807	Matrix G3 Panel Test Kit - US	1	$420.00	
Matrix G3 Panel Test Kit				
Pla-955-0854	Kit, HSL Accy Cable Kit	1	$0.00	
Pla-530-1193	Screw, M4x7x8mm, 5/bag	16	$0.00	
Pla-175-0757-00	Cable,IR-Ext. Cable-30 ft; Extension cable for IR remote control extends the IR receiver cable by 30 feet (10 meters). Can be combined to reach longer distances.	1	$105.00	
Extension cable for IR remote control extends the IR receiver cable by 30 feet (10 meters). Can be combined to reach longer distances.				
Pla-750-2174	4HDMI QSFP HDBaseT	1	$4,267.00	
Pla-902-0748	Replacement Remote Power Supply Module (RPSM). One RPSM.; (1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.	1	$1,050.00	
(1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.				
Pla-FRC	Shipping and Handling	1	$6,964.00	

Pla Quote 00120656–1	US Virgin Islands St. Croix Police RTCC - (2) 4x2 LX55M-L	1	$176,755.00	$176,755.00

Item ID	Description	Qty	Total
Pla-998-1495	Clarity Matrix G3 LX55M 55 in. 1920x1080, 500-nit LCD video wall system. Includes 1 LCD module, necessary power supply modules, standard video controller electronics and EasyAxis mount. Landscape Only.	16	$132,128.00
Pla-998-1713-01 (FRU)	FRU, LX55M-L LCD Module	2	$13,640.00
10/17/22: Used in Clarity Matrix G3			
Pla-750-2174	4HDMI QSFP HDBaseT	4	$0.00
Pla-935-0476	Fee for Additional 4-Output VCs	2	$4,564.00
Pla-750-2188	Remote Power Supply (RPS), input voltage range 100-240V, equipped with (2) Remote Power Supply Module (RPSM)	2	$0.00
Pla-902-0748	Replacement Remote Power Supply Module (RPSM). One RPSM.; (1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.	2	$2,100.00
(1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.			
Pla-175-0993	Loop Power Cable- 8ft	12	$720.00
8-foot (2.5-meter) Interconnect Power Cable - to provide a 48V power connection between 1 display and the next display in a daisy-chained group.			
Pla-955-0677	Connector Kit,DC,2wire Pwr,Pri	2	$168.00
Kit for field termination of power cables. Includes 10 two-pin connectors; enough to produce 5 primary power cables for Leyard DirectLight (DL2 models).			

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Pla-955-0854	Kit, HSL Accy Cable Kit	2	$0.00	
Pla-437-2432	Vertical spacer bracket LX/MX55M-L	16	$0.00	
Pla-530-0952	Screw, MX5,8X8,BHCS,BLK, 25/bag	16	$0.00	
Pla-572-5261	SHT MTL, CVR, SIDE, 55M-L	4	$252.00	
Pla-572-5261	SHT MTL, CVR, SIDE, 55M-L	4	$252.00	
Pla-572-5260	SHT MTL, CVR, TOP, 55M-L	8	$672.00	
Pla-572-5196	Horizontal spacer bracket LX/MX55M-L	24	$0.00	
Pla-572-5259	SHT MTL, CVR, BTM, 55M-L	8	$672.00	
Pla-955-0790 (Assy)	Kit,Matrix G3 Accy Kit - US Not Set	2	$0.00	
Pla-955-0807	Matrix G3 Panel Test Kit - US	2	$840.00	
Matrix G3 Panel Test Kit				
Pla-955-0854	Kit, HSL Accy Cable Kit	2	$0.00	
Pla-530-1193	Screw, M4x7x8mm, 5/bag	24	$0.00	
Pla-175-0757-00	Cable,IR-Ext. Cable-30 ft; Extension cable for IR remote control extends the IR receiver cable by 30 feet (10 meters). Can be combined to reach longer distances.	2	$210.00	
Extension cable for IR remote control extends the IR receiver cable by 30 feet (10 meters). Can be combined to reach longer distances.				
Pla-750-2174	4HDMI QSFP HDBaseT	2	$8,534.00	
Pla-902-0748	Replacement Remote Power Supply Module (RPSM). One RPSM.; (1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.	2	$2,100.00	
(1) Remote Power Supply Module (RPSM) for Remote Power Supply (RPS110 or RPS220). Required to add power redundancy to power supply. Sold per power supply.				
Pla-FRC	Shipping and Handling	1	$9,903.00	

RTCC and Conference Room 75" Displays, mounts and extenders (4)

Pla-998-2766-00	SLM75; 75in diagonal, UHD, D-LED backlight, 500 nit brightness, 16x7 reliability, Android operating system, plastic bezel, speakers, landscape only.	4	$3,617.00	$14,468.00
12/2/21: New Product. Replaces SL7564K - 997-9407-01. Available to ship in January.				
Pee-SF680	Security SmartMount® Universal Flat Mount For 60" to 98" TV's	4	$309.00	$1,236.00
Security SmartMount® Universal Flat Mount for 61"" - 102"" Flat Panel Screens Color: BLACK				
Ext-60-1631-62	DTP2 T 211	4	$870.00	$3,480.00
HDMI 4K/60 DTP2 Transmitter with Audio Embedding				
Ext-60-1631-63	DTP2 R 211	4	$880.00	$3,520.00
HDMI 4K/60 DTP2 Receiver with Audio De-Embedding				

HDMI extenders for laptop feeds - RTCC (1), Conference Room (3) and EOC (5) plus a spare

Ext-60-1631-62	DTP2 T 211	10	$870.00	$8,700.00
HDMI 4K/60 DTP2 Transmitter with Audio Embedding				
Ext-60-1631-63	DTP2 R 211	10	$880.00	$8,800.00

HDMI 4K/60 DTP2 Receiver with Audio De-Embedding

Video Processing , Distribution and Control

Display Wall Processors

			Qty		
Hai Proposal		Haivision MCS Processing	1	$242,850.06	$242,850.06
	Item ID	Description	Qty	**Total**	
	Hai-3001023	Command 360 Software on an Alpha FX Elite Video Processor with Premium Features	1	$59,444.45	
	Hai-3003001	Haivision Alpha FX 4K-D Input Board	7	$66,111.08	
	The Alpha FX 4K-D Input Board is a 4K capture and IP decode card. It features four Mini HDMI inputs and leverages high-density H.264 decoding to support up to 4 x 4K or 16 x HD IP video decodes.				
	Hai-3003002	Haivision Alpha FX 4K-DE Input Board	1	$11,666.67	
	The Alpha FX 4K-DE Input Board is a 4K capture and IP encode / decode card. It features (4) Mini HDMI inputs and supports up to (4) 4K or (16) HD IP video encodes and decodes, leveraging low-latency H.264 video compression.				
	Hai-3502018	Device Control Pro	1	$6,666.67	
	Hai-3599006	Device Control Interface, Pack of 4	3	$2,499.99	
	Hai-6012001	Haivision Basic Professional Services, CONUS, 1 Tech, 2 Days	1	$7,000.00	
	Hai-6201003	Logistics Service	1	$5,205.24	
	Hai-6101001	Haivision GuardianCare 24/7 Protection Program	3	$84,255.96	
Hai-3002002		Haivision Alpha FX 4K-6 Output Board	3	$8,928.57	$26,785.71

Encoders for Workstation Sources

		Qty		
Hai-3101005	CineLink 4K-EL-2 IP Video Encoder, 2-Port with HDMI & Audio Loop-Out	6	$10,000.00	$60,000.00
Hai-3101006	CineLink 4K-EL-4 IP Video Encoder, 4-Port with HDMI & Audio Loop-Out	3	$11,666.67	$35,000.00

Makito Encoders and Decoders for remote site sharing

		Qty		
Hai-5012001	Makito FX SDI+HDMI Encoder Appliance	2	$7,500.00	$15,000.00
Hai-5008018	Makito X4 UHD SDI Decoder Appliance - HEVC/H.265 & AVC/H.264 IP Video Decoder	2	$9,400.00	$18,800.00
Hai-5008025	Support up to UHDp60 (3840x2160p60) Resolution for the Makito X4 Decoder	2	$1,700.00	$3,400.00
Bla-BMD-UPDOWNCROSHD	Black Magic CONVMUDCSTD/HD Mini Converter UpDownCross HD - SDI and HDMI	4	$159.00	$636.00

KVM for viewing and control of rack sources (max 8 sources per KVM)

Mid-RM-KB-LCD17KVMHD	KB W/LCD DIG DSPLY & KVM	1	$5,307.00	$5,307.00
1 SPACE (1 3/4"") RACKMOUNT KEYBOARD, HD LCD DIGITAL DISPLAY, 8KVM				
Ext-60-1607-01	DA2 HD 4K PLUS	8	$930.00	$7,440.00
Two Output 4K/60 HDMI Distribution Amplifier				
Ext-60-1608-01	DA4 HD 4K PLUS	3	$1,280.00	$3,840.00
Four Output 4K/60 HDMI Distribution Amplifier				

Autoswitchers for failover of (1) 75" in Conference Room

Ext-60-1603-01	SW2 HD 4K PLUS	1	$640.00	$640.00
Two Input 4K/60 HDMI Switcher				

USB Extenders for Rack Content PCs

Ext-60-1471-12	USB Extender Plus T	6	$820.00	$4,920.00
Twisted Pair Extender for USB Peripherals				
Ext-60-1471-13	USB Extender Plus R	6	$820.00	$4,920.00
Twisted Pair Extender for USB Peripherals				

Network switch

Net-GSM4352PB-100NES	Switch - L3 - managed - 2 x 10/100/1000/10000 + 2 x 10 Gigabit SFP+ + 48 x 10/100/1000 (PoE+) - rackmountable - PoE+ (860 W)	2	$4,735.16	$9,470.32
NETGEAR M4300-52G-PoE+ - Switch - L3 - managed - 2 x 10/100/1000/10000 + 2 x 10 Gigabit SFP+ + 48 x 10/100/1000 (PoE+) - front to back airflow - rack-mountable - PoE+ (860 W)				

Touch panels for video wall processor control

NOTE: Quote one dock per touch panel drop, not one per touch panel

Mic-S1P-00001	Microsoft Surface Pro 9 for Business	5	$1,299.00	$6,495.00
Tablet - Intel Core i5 1245U / 1.6 GHz - Win 10 Pro - Iris Xe Graphics - 8 GB RAM - 128 GB SSD - 13" touchscreen 2880 x 1920 @ 120 Hz - Wi-Fi 6E - platinum				
Sta-DKT30CHSDPD1	StarTech.com USB C Multiport Adapter USB-C to 4K 60Hz HDMI 2.0, 100W Power Delivery Pass-through, SD/MicroSD, 2-Port USB 3.0 Hub, GbE - USB Type-C Mini Dock - 12" Long Attached Cable - Docking station - USB-C / Thunderbolt 3 - HDMI - GigE	11	$126.99	$1,396.89
Len-4X20M26268	Lenovo 65W Standard AC Adapter (USB Type-C) Power adapter - AC 100-240 V - 65 Watt - for 100e Chromebook (2nd Gen) MTK.2; ThinkPad L13 Gen 2; L13 Yoga Gen 2; T14s Gen 2; X13 Gen 2	11	$59.99	$659.89

Microsoft Surface Hub with Mobile Articulating stand

Mic-NSG-00001	Microsoft Surface Hub 2S 50"	2	$9,500.00	$19,000.00

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Sal-FPS2/ELT/GG	Mobile Stand, Electric Lift and Tilt, Graphite and Gray	2	$3,679.00	$7,358.00

Cable Cubby for Conference Room Table (3), RTIC Collab Table (1) and EOC U Table (5), EOC Command Desk (2)

Cable Cubby 1402 - Conference Room Table - V01	Conference Room Table to USW Extender with US power and data	11	$2,022.00	$22,242.00

Item ID	Description	Qty	Total
Ext-70-1185-02	Cable Cubby 1402 Black, No AC	1	$930.00
Cable Cubby 1402 Black, AC Module Not Included			
Ext-60-1697-01	AC+USB 224 US w 9.5' Cord	2	$780.00
US (2) AC & (2) USB Outlets w Integrated PS			
Ext-70-1076-22	AAP SuperPlate 120, Black	1	$174.00
AAP - Double Space - Black: One HDMI, DisplayPort, Stereo Audio, and VGA			
Ext-70-100-11	AAP (2)RJ45 F-F BLACK	1	$82.00
Double Space AAP - Black: Two RJ-45 Female to Female Barrels - CAT 5e			
Ext-70-090-11	AAP BLANK PLATE BLACK	2	$56.00
Single Space AAP - Black: Blank Plate			

Video Conferencing System

Logitech Pro 2 PTZ Camera and Extender

Log-960-001184	Logitech PTZ Pro 2 Conference Camera - color - 1920x1080	3	$849.99	$2,549.97
Sou-RCU2-PRO	RemoteCamRCU2™ [USB2.0 + UVC + 5/12V Camera Power]; Logitech: PTZ PRO 2	3	$1,225.00	$3,675.00
Sou-RCM-UNI *Universal Round Camera Base*	RCM™ On Wall Mount; Universal Round Camera Base	3	$179.00	$537.00

Audio System

Audio De-embedder for CATV Sources

Ext-60-1681-01 *4K/60 HDMI Audio De-Embedder*	4K/60 HDMI Audio De-Embedder	4	$920.00	$3,680.00
Cor-HD 4K HDMI Splitter (v2)	Ultra HD 4K 2 Port HDMI Splitter 1x2 Repeater Amplifier 1080P 3D Hub 1 In 2 Out	4	$29.99	$119.96

Audio Summing Cables for OFE Content PCs

Ext-60-804-01	ASA 141	5	$82.00	$410.00
Passive Audio Summing Adapter with RCA Inputs and Balanced/Unbalanced Output				
Ext-26-592-01	MSR 6 - 6" (15 cm)	5	$12.00	$60.00
Audio Adapter: 3.5 mm Mini Stereo to 2 RCA Female - 6" (15 cm)				

Wireless Mics for EOC

Shu-ULXD2/SM58-G50	Transmitter, Handheld SM58	1	$594.92	$594.92
Shu-WL185	Lavalier mic for Wireless, Cardioid	1	$136.00	$136.00
RackMounted: False				
Shu-ULXD1-G50	Transmitter Bodypack	1	$794.00	$794.00
Shu-ULXD4-G50	Shure Digital Receiver,	2	$1,274.00	$2,548.00

NOTE: receivers are only one channel, need 2 total

Shu-SB900A	Beltpack Rechargeable Batteries	2	$258.00	$516.00
Shu-SBC200-US	Shure Dual Locking Charger with Power Supply	1	$275.00	$275.00

RTCC, EOC and Conference Room Ceiling Mics

Sen-509178	Sennheiser TeamConnect 2 Ceiling Mic Kit with 508528 Ceiling Mount Bracket	3	$4,700.00	$14,100.00
Sen-508291	Sennheiser SL CM SK -ceiling mounting kit for TeamConnect Ceiling 2	3	$139.95	$419.85

Audio DSP

Bia-TesiraFORTE DAN VT	TesiraFORTE DAN VT	3	$5,170.00	$15,510.00
TesiraFORTÉ DSP fixed I/O server with 12 analog inputs, 8 analog outputs, 8 channels configurable USB audio, 32 x 32 channels of Dante™, Acoustic Echo Cancellation (AEC) technology (all 12 inputs), 2 channel VoIP and standard FXO telephone interface				

Audio Amplifiers

Ext-60-850-01	XPA 2001-70V	3	$820.00	$2,460.00
One Channel Amp, 200 watts at 70 volts				

Speakers quoted as pairs

Ext-60-1310-03	SF 26CT	10	$630.00	$6,300.00
SoundField XD 6.5" Two-Way Ceiling Speaker with 8" Composite Back Can and 70/100 V Transformer, Pair				

Equipment Rack and parts

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Rack Assembly 44RU Estimate REV	44RU Rack with parts and accessories	3	$5,481.30	$16,443.90

Item ID	Description	Qty	Total
Mid-VRK-44-36H	44SP/36D VIDEO RACK HORIZ	1	$3,066.00
44 SPACE (77"), 36"" DEEP VIDEO RACK WITH HORIZONTAL LACING BARS, WITH REAR DOOR, BLACK FINISH			
Mid-LVFD-44	44SPLARGE PERF FDUNVBK	1	$794.00
VENTED FRONT DOOR, 64% OPEN AREA, FITS 44 SPACE ERK, MRK, WRK, VRK SERIES RACKS, BLACK FINISH			
Mid-VRK-Z4	VRK SEISMIC BRACKETS	1	$78.00
SEISMIC FLOOR ANCHOR BRACKETS FOR THE VRK SERIES			
Mid-MW-10FT	10FAN TOP OPT. MRK/WRK(BL	1	$97.00
10" FAN TOP (EXCLUDING FAN) FOR ANY WRK, MRK, VRK OR VMRK			
Mid-GUARD-10	10 FAN GUARD	2	$140.00
HAMBURGER STYLE GUARD FOR 10" FANS			
Ori-OA254AN-22-1TB XC	AC Fans Fan AC 254mm 230VAC 555CFM Ball Terminal	1	$82.30
Mid-U1V	1SP VENTED UTILITY SHELF	1	$73.00
1 SPACE (1 3/4"") VENTED RACKSHELF			
Mid-U2V	2SP VENTED UTILITY SHELF	1	$97.00
2 SPACE (3 1/2"") VENTED RACKSHELF			
Mid-U3V	3SP VENTED UTILITY SHELF	1	$110.00
3 SPACE (5 1/4"") VENTED RACKSHELF			
Mid-UD3	3SP UTIL. DRAWER.BLK	1	$234.00
3 SPACE (5 1/4") UTILITY DRAWER, BLACK POWDER COAT FINISH			
Mid-BR1	1SP PANEL W/BRUSH GROMMET	1	$85.00
1 SPACE (1 3/4"") BRUSH GROMMET PANEL			
Mid-LACE-44-OWP	77"H4-3/4"W SLOT LACER	1	$404.00
77"" HEIGHT 4 3/4"" WIDTH CABLE LACER STRIP WITH CABLE TIE POSTS, 6 PIECES			
Mid-LBH-1930-T	2PK TLSCP HOR(19-30)LCBAR	1	$84.00
HORIZONTAL TELESCOPING LACER BAR, 2 PIECES			
Mid-HG	100PC10-32 RUST RST SCW	1	$97.00
100 PC. BLACK 10-32 PHILLIPS RUST RESISTANT SCREWS W/ WASHERS			
Mid-HPQ	100PC 10-32X3/8 RK SCREWS	1	$40.00
100 PC. BLACK 10-32 PHILLIPS SHORT SCREWS W/ WASHERS			

Mid-SPN-44-36	PR BLK 44SP 36DP SIDE PA	1	$1,290.00	$1,290.00

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Mid-CC-44-36	CABLE CHASE FOR 44SP 36D	2	$364.00	$728.00
CABLE CHASE FOR 44SP, 36DP				

Extron rack shelves and extender mounting brackets

Ext-60-190-01	RSU 129	23	$174.00	$4,002.00
1U 9.5" Deep Universal Rack Shelf Kit				

Rack Power Distribution

208v PDUs

Apc-AP4431	APC Rack Automatic Transfer Switch AP4431	3	$1,660.00	$4,980.00
Apc-AP8841	RACK PDU 2G- METERED- ZEROU-30A- 200/208V- (36) C13 & (6) C19	3	$1,011.36	$3,034.08

Cable and adapters

Bulk Cabling provided by Constant - cable pull labor not included

Bulk Cabling

Wel-T2404L6SHP-black	Description - CAT6 / STP / 550 Mhz / Plenum Cable 1000'	16	$956.00	$15,296.00
Lib-10-2C-TTP-WHT	TIGHT TUBE 10/2 CL2P WHITE (1000')	3	$1,474.09	$4,422.27
Tight Tube Plenum 10 AWG 2 conductor Speaker Cable				
Lib-20-2C-PSH-WHT	COMMERCIAL 20/2 OASH CMP WHT	1	$367.67	$367.67
Commercial grade general purpose 20 AWG 2 conductor plenum shielded cable				
Lib-22-2P-PINDSH-BLK	COMMERCIAL 22/2P INDSH CMP BLK	1	$539.20	$539.20
Commercial grade general purpose 22 AWG 2 pair plenum individually shielded cable				
Lib-16-2C-TTP-BLK	TIGHT TUBE 16/2 CMP BLACK	2	$465.28	$930.56
Tight Tube Plenum 16 AWG 2 conductor Speaker Cable				

Rack and workstation connection cables

Cable Bundle Estimate Large	Cable estimate for cable plus terminations for install	2	$10,600.00	$21,200.00

Service and Support

ConstantUptime Premier 1 Year Coverage	Premier Service and Support Agreement 1 Year Coverage	3	$31,934.00	$95,802.00

ConstantUptime Premier provides 24/7 support for your complete integrated audio-video system and rapid response times for high-impact equipment problems that can not be remedied through remote troubleshooting.

ConstantUptime Premier includes:
  ·Unlimited 24-hour support
  ·Product-knowledgeable engineers, programmers, and technicians
  ·Unlimited on-site visits for Level-1 emergencies (after initial troubleshooting)
  ·48-hour response time to be on-site for Level-1 emergencies if remote troubleshooting can not resolve the issue
  ·Optional service pool of on-site critical spare parts
  ·Management and logistics of manufacturer warranties for all supported equipment
  ·Maintenance of records for faults and service visits Full functional test of all replacement equipment

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CONSOLES AND FURNISHINGS

RTCC

OEM-CTI-ENDUR-72	Endurance Series Beam LIFT Console, Single Position, 72"w x 34"d	6	$4,938.45	$29,630.70

72" Endurance Series Consoles Include:
  ·Aluminum and Powder Coated Steel Console Frame Assembly
  ·Clear Anodized Aluminum Horizontal Beam Toolbar
  ·Dual Electric Lift Columns, Control Box and Flush Mounted Up/Down Switch in Worksurface
  ·Horizontal Cable Management Wire Tray Under Lifting Surface
  ·Horizontal Cable Management Wire Trestle In Base Assembly
  ·Vertical Cable Management via Flexible Cable Carrier Chain
  ·Standard HPL Worksurface With Urethane Comfort Profile Front Edge
  ·Hinged Rear Worksurface Infills and Cable Access Brush
  ·Removable Access Panels on Top of Base Assembly

OEM-CTI-ENDUR-TECHCAB	Endurance Series PC Tech Cabinet w/ Adj Shelf	4	$1,705.91	$6,823.64

Endurance Series PC Tech Cabinet Includes:
- *Standard HPL Cabinet with Front and Rear Doors*
- *Concealed Door Hinges, 3-way Adjustable and Removable Without Tools*
- *Full Height and Width Perforated Vent Panel Integrated on Front Door*
- *Dual Cooling Exhaust Fan on Rear Door, 104 CFM @ 19 dBA with Multi Speed Controller*
- *Adjustable PC Equipment Shelf, Slotted for Ventilation*
- *Horizontal Cable Management Wire Tray at Rear of Cabinet, Aligned with Endurance Series Console Trestles*

Item	Description	Qty	Price	Total
OEM-CTI-END-ENDUR	End Panel, Endurance Console, 19" x 20" - Standard HPL Finish	4	$154.14	$616.56
OEM-CTI-TAB-CUSTOM-120 3642	Custom Collaboration Table, 120"w x 36"d x 42"h, Standard HPL Top w/ 3mm PVC Edgebanding and (1) Extron Cable Cubby 1402 Cut Out, Two-Pedestal Wire Management H-Base	1	$3,518.45	$3,518.45
OEM-CTI-CRE-BASE302430	Storage Credenza Base w/ HPL Doors, Adj Shelf, Standard HPL Top and Cable Brush - 24" d x 30" w x 30" h	4	$1,363.21	$5,452.84
OEM-CTI-CRE-END PANEL	Storage Credenza End Panel, Standard HPL Finish	2	$178.48	$356.96
OEM-CTI-PWR-1920A-10C1 0	Power Strip, Console Upper Wire Tray - 19"L, 20A, 10 Outlet, 10' Cord w/ Molded Plug	6	$108.25	$649.50
OEM-CTI-PWR-1920A-10C6	Power Strip, Tech Cabinet - 19"L, 20A, 10 Outlet, 6' Cord w/ Molded Plug	4	$102.25	$409.00
OEM-CTI-MON-3500	Articulating Monitor Arm - 20" Extension with Beam Mounting Bracket & 100x100 VESA Plate, Supports a Monitor Up To 28 lbs.	18	$348.09	$6,265.62
OEM-CTI-CONV-BEAM-2P1 A1C	Convenience Jack, Beam Mount Unit, (2) AC Power / (1) USB-A Charger / (1) USB-C Charger, 10' Power Cord	6	$159.90	$959.40

EOC

Item	Description	Qty	Price	Total
OEM-CTI-TAB-CUSTOM-U2 6022830	Custom U-Shaped Technology Table, 260"w x 228"d x 30"h, Standard HPL Finish	1	$46,057.64	$46,057.64

Custom U-Shaped Technology Table Includes:
- *(16) Aluminum and Powder Coated Steel Console Frame Assemblies, 36" W*
- *(16) Lever Lock Side Mounting Panels*
- *Continuous Horizontal Cable Management Wire Tray*
- *Standard HPL Front and Rear Doors*
- *Standard HPL End Panels*
- *Integrated Louvered Vent Grills on Rear Doors*
- *Concealed Door Hinges, 3-way Adjustable and Removable Without Tools*
- *Standard HPL Worksurfaces With Urethane Comfort Profile Front Edge*
- *16" x 23" Vented PC Shelf, (1) Per Base Cabinet*
- *Internal Mounting Panel for Electrical Quad Boxes and Network Boxes (Electrical and Network Equipment By Others)*
- *Cut Outs for (8) Cable Cubby 700 in Worksurfaces*

Item	Description	Qty	Price	Total
OEM-CTI-TAB-CUSTOM-S22 04230	Custom Straight Technology Table, 220"w x 42"d x 30"h, Standard HPL Finish	1	$17,122.29	$17,122.29

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Constant Technologies Inc | 125 Steamboat Ave | | North Kingstown | RI | Tel. 401-294-7171 | Fax. 401-294-7505

Custom Straight Technology Table Includes:
·*(6) Aluminum and Powder Coated Steel Console Frame Assemblies, 36" W*
·*(6) Lever Lock Side Mounting Panels*
·*Continuous Horizontal Cable Management Wire Tray*
·*Standard HPL Front and Rear Doors*
·*Standard HPL End Panels*
·*Integrated Louvered Vent Grills on Rear Doors*
·*Concealed Door Hinges, 3-way Adjustable and Removable Without Tools*
·*Standard HPL Worksurfaces With Urethane Comfort Profile Front Edge*
·*16" x 23" Vented PC Shelf, (1) Per Base Cabinet*
·*Internal Mounting Panel for Electrical Quad Boxes and Network Boxes (Electrical and Network Equipment By Others)*
·*(6) 2.375" Dia. Grommets in Worksurfaces*
·*Center Worktop Support Leg*

CONFERENCE ROOM

OEM-CTI-TAB-CUSTOM-R1 926030	Custom Conference Table, 192"w x 60"w x 30"h, Three Piece Standard HPL Top w/ 3mm PVC Edgebanding and (3) Extron Cable Cubby 1402 Cut Out, Four-Pedestal Wire Management H-Base	1	$7,589.29	$7,589.29
OEM-CTI-CRE-BASE302430	Storage Credenza Base w/ HPL Doors, Adj Shelf, Standard HPL Top and Cable Brush - 24" d x 30" w x 30" h	3	$1,363.21	$4,089.63
OEM-CTI-CRE-END PANEL	Storage Credenza End Panel, Standard HPL Finish	2	$178.48	$356.96

MANAGER OFFICE #1

OEM-CTI-HPL-LCON	L-Shaped HPL Panel Console with Corner PC Storage Cabinet and Urethane Front Edge Worktop, 72"w x 60"d x 30"h	1	$3,360.00	$3,360.00
OEM-CTI-PWR-1920A-10C6	Power Strip, Corner Cabinet - 19"L, 20A, 10 Outlet, 6' Cord w/ Molded Plug	1	$102.25	$102.25

MANAGER OFFICE #2

OEM-CTI-HPL-LCON	L-Shaped HPL Panel Console with Corner PC Storage Cabinet and Urethane Front Edge Worktop, 72"w x 60"d x 30"h	1	$3,360.00	$3,360.00
OEM-CTI-PWR-1920A-10C6	Power Strip, Corner Cabinet - 19"L, 20A, 10 Outlet, 6' Cord w/ Molded Plug	1	$102.25	$102.25

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Item ID	Description	Qty	Sell	Total
OEM-CTI-CRATE	Custom Packing and Crating Charges for International Shipping	20	$625.00	$12,500.00
Equipment Sub Total				**$1,210,102.23**

Professional Services [$244,000.00]

Item ID	Description	Qty	Sell	Total
AV Project Services				
Project Management	Project Management Labor	1	$9,900.00	$9,900.00
Engineering and Construction Drawings	Project Engineering and Construction Drawings	1	$6,600.00	$6,600.00
Rack Fabrication and Technology Integration	Offsite Rack Fabrication and Technology Integration	1	$8,400.00	$8,400.00
Onsite Install-AV	Project Onsite Install Labor - AV Systems	1	$78,750.00	$78,750.00
Onsite Install-Consoles	Project Onsite Install Labor - Console Systems	1	$25,000.00	$25,000.00
Onsite Commissioning, Testing and Training	Project Onsite System Commissioning, Testing and Training	1	$10,500.00	$10,500.00
Programming	Custom programming for control systems	1	$12,900.00	$12,900.00
Travel	Travel Charges	1	$77,100.00	$77,100.00
Project Management Expenses	Project Management Expenses	1	$10,800.00	$10,800.00
Logistics	Project Handling and Inbound shipping charges	1	$4,050.00	$4,050.00
Professional Services Sub Total				**$244,000.00**

Item Total:	$1,454,102.23
Discount:	$50,000.00
Your Price:	**$1,404,102.23**
Freight:	$106,188.00
Total:	**$1,510,290.23**

Quoted by: Gip Sisson, g.sisson@constanttech.com   **Issued Date:** 11/02/2023

Accepted by: _____

Constant Technologies Inc | 125 Steamboat Ave | | North Kingstown | RI | Tel. 401-294-7171 | Fax. 401-294-7505

Disclaimer

CONSTANT TECHNOLOGIES requires the following items prior to providing a firm schedule : • PURCHASE ORDER • SIGNED DRAWINGS • ACCEPTED TERMS & CONDITIONS • APPROVED FINISHES • DOWN PAYMENT • LOGISTICS INFORMATION SHEET

Parts and final quantities are subject to change post contract award during 100% design review.

CONSTANT TECHNOLOGIES Standard Payment Terms for Invoicing (Taxes Excluded Unless Otherwise Noted):
   ·50% due upon order placement
   ·50% due upon installation
Purchase Orders, Payments should be sent to the attn of:

Accounting
Constant Technologies, Inc.
Tel: 401-294-7171
email: accounting@constanttech.com

Headquarters Address:
125 Steamboat Avenue
North Kingstown, RI 02852
Office Phone: (401) 294-7171
Fax Number: (401) 294-7505
Website: www.constanttech.com

GSA Contract # GS-03F-073GA
Federal Tax ID# 22-2503954
Dun & Bradstreet# 04-933-5102
NAICS Code: 334310
Cage Code: 1MDG8
Company Type: Corporation
State of Incorporation: New Jersey
Date of Incorporation: October 24, 1983